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2　Realizing the benefits of user-level channel diversity
◈　Evangelos Vergetis, Roch Guérin, Saswati Sarkar
　　October 2005 ACM SIGCOMM Computer Communication Review,　Volume 35 Issue 5
　　Publisher: ACM
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　　　Channel or path diversity is known to improve performance in physical layer designs, channel
　　　access strategies, path switching mechanisms, etc. In this paper, we focus on "user-level"
　　　mechanisms that operate simply by distributing packet transmissions ...
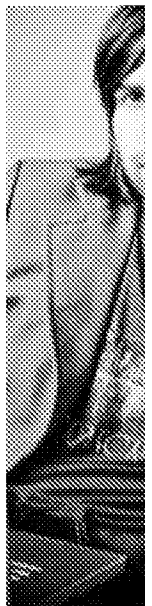
　　　Keywords: channel diversity, cross-layer designs, open-loop control, robustness

3　Multicasting in mobile ad-hoc networks: achieving high packet delivery ratios
　　Thomas Kunz
　　October 2003 CASCON '03: Proceedings of the 2003 conference of the Centre for Advanced Studies
　　　　　　　　　on Collaborative research
　　Publisher: IBM Press
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　　　Multicasting is intended for group-oriented computing. There are more and more applications
　　　where one-to-many or many-to-many dissemination is an essential task. The multicast service is
　　　critical in applications characterized by the close collaboration ...

4
　　Adaptive group multicast with time-driven priority

Mario Baldi, Yoram Ofek, Bülent Yener
February 2000 IEEE/ ACM Transactions on Networking (TON), Volume 8 Issue 1
Publisher: IEEE Press
Full text available: pdf(240.68 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 34, Citation Count: 2

Keywords: fairness, multicast, quality of service, real time, ring networks, scheduling, time-driven priority

5 Centaurus: an infrastructure for service management in ubiquitous computing environments
Lalana Kagal, Vladimir Korolev, Sasikanth Avancha, Anupam Joshi, Tim Finin, Yelena Yesha
November 2002 Wireless Networks, Volume 8 Issue 6
Publisher: Kluwer Academic Publishers
Full text available: pdf(553.67 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42, Citation Count: 2

In the near future, we will see dramatic changes in computing and networking hardware. A large number of devices (e.g., phones, PDAs, even small household appliances) will become computationally enabled. Micro/nano sensors will be widely embedded in ...

Keywords: mobile computing, pervasive computing, service management, ubiquitous computing

6 Medium access control with coordinated adaptive sleeping for wireless sensor networks
Wei Ye, John Heidemann, Deborah Estrin
June 2004 IEEE/ ACM Transactions on Networking (TON), Volume 12 Issue 3
Publisher: IEEE Press
Full text available: pdf(349.53 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 401, Citation Count: 46

This paper proposes S-MAC, a medium access control (MAC) protocol designed for wireless sensor networks. Wireless sensor networks use battery-operated computing and sensing devices. A network of these devices will collaborate for a common application ...

Keywords: energy efficiency, medium access control (MAC), sensor network, wireless network

7 Energy-efficient wireless ATM design
Paul J. M. Havinga, Gerard J. M. Smit, Martimus Bos
June 2000 Mobile Networks and Applications, Volume 5 Issue 2
Publisher: ACM
Full text available: pdf(137.85 KB)   Additional Information: full citation, references, index terms

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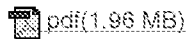

8 TCP offload through connection handoff
Hyong-youb Kim, Scott Rixner
April 2006 EuroSys '06: Proceedings of the 1st ACM SIGOPS/EuroSys European Conference on Computer Systems 2006
Publisher: ACM
Full text available: Additional Information:

pdf(1.96 MB)   full citation, abstract, references, cited by, index terms

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This paper presents a connection handoff interface between the operating system and the network interface. Using this interface, the operating system can offload a subset of TCP connections in the system to the network interface, while the remaining ...

Keywords: TCP offload, connection handoff, operating system, programmable network interface

9 TCP offload through connection handoff
Hyong-youb Kim, Scott Rixner
October 2006 ACM SIGOPS Operating Systems Review, Volume 40 Issue 4
Publisher: ACM
Full text available: pdf(1.96 MB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 115, Citation Count: 1

This paper presents a connection handoff interface between the operating system and the network interface. Using this interface, the operating system can offload a subset of TCP connections in the system to the network interface, while the remaining ...

Keywords: TCP offload, connection handoff, operating system, programmable network interface

10 Location-aided routing (LAR) in mobile ad hoc networks
Young-Bae Ko, Nitin H. Vaidya
July 2000 Wireless Networks, Volume 6 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: pdf(242.42 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 26, Downloads (12 Months): 285, Citation Count: 29

11 Defending against distributed denial-of-service attacks with max-min fair server-centric router throttles
David K. Y. Yau, John C. S. Lui, Feng Liang, Yeung Yam
February 2005 IEEE/ACM Transactions on Networking (TON), Volume 13 Issue 1
Publisher: IEEE Press
Full text available: pdf(820.35 KB)   Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 159, Citation Count: 5

Our work targets a network architecture and accompanying algorithms for countering distributed denial-of-service (DDoS) attacks directed at an Internet server. The basic mechanism is for a server under stress to install a router throttle at selected ...

Keywords: congestion control, distributed denial of service, network security, router throttling

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